

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): An information processing apparatus connectable to a terminal through a network, said information processing apparatus comprising:

a reference Web information generating part specifying at least one of a terminal type, language or profile of the terminal based on a first request requesting Web information, said first request sent from the terminal through the network; and

a communicating part sending the reference Web information to the terminal as a response with respect to the first request,

wherein the reference Web information generating part generates reference Web information:

that includes a reference path created by adding common path information indicating at least one of the terminal type information, language information or profile information to a path, wherein at least one of the terminal type information, language information or profile information shows at least one of a specified terminal type, language, or profile, and wherein the path is indicated in the first request for accessing the Web information and adding relative path information for executing a function as a process being independent of the common path information, the function corresponding to a style sheet used for converting a process result in XML into HTML; and

that allows the terminal to automatically access Web information specified by the reference path; and

the communicating part receives a second request for requesting the Web information specified by the reference path, and includes the common path information ~~to connection~~ ~~information which is passed through the function.~~

Claim 2 (Previously Presented): The information processing apparatus as claimed in claim 1,

wherein when said communicating part receives the first request from the network, said communicating part additionally provides a default value for at least one of the terminal type, language or profile, indicated in the common path information and a reference Web information identification as the relative path information for identifying said reference Web information generating part to the path for the Web information indicated in the first request, and

said reference Web information generating part is executed by the reference Web information identification additionally provided by the communicating part and replaces the default value with the at least one specified terminal type, language or profile.

Claim 3 (Currently Amended): The information processing apparatus as claimed in claim 2, wherein said communicating part creates the reference path by adding the default value for the common path information before the reference Web information identification for identifying the Web information in the path for the Web information indicated in the first request.

Claim 4 (Previously Presented): The information processing apparatus as claimed in claim 1, further comprising:

a Web information generating part being executed as the function by the second request, receiving the connection information including common path information, and generating the Web information; and

a display information generating part generating a Web page by describing the Web information corresponding to the terminal in a display format for displaying the Web information at the terminal based on the common path information indicating at least one of the terminal type information, language information or profile information included in a result received from the Web information generating part.

Claim 5 (Previously Presented): The information processing apparatus as claimed in claim 4, wherein said display information generating part comprises:

an XML describing part describing the Web information generated by said Web information generating part and the common path information indicating at least one of the terminal type information, language information or profile information in an extensible markup language; and

an HTML converting part generating the Web page by converting the Web information described in the extensible markup language into a hypertext markup language in accordance with a style sheet corresponding to the Web information based on at least one of the terminal type information, language information or profile information.

Claim 6 (Currently Amended): The information processing apparatus as claimed in claim 4,

wherein a plurality of other Web information generating parts are executed as other functions by a third request, receiving the connection information including common path information, and generating other Web information other than the Web information, said other Web information linked from the Web information by the relative path, in which each of said other functions is conducted as a process being independent of the common path information,

wherein the communication part receives the third request for requesting the other Web information specified by the relative path, and includes the common path information to the connection information [[with]] which is passed through the other functions; and

when one of the other Web information generating part corresponding to the other Web information generates the other Web information in response to the third request for requesting the other Web information selected by a user at the terminal displaying the Web information, said display information generating part generates the Web page for displaying the other Web information suitable for the terminal at the terminal, based on the terminal type information set in the reference path.

Claim 7 (Previously Presented): The information processing apparatus as claimed in claim 6, further comprising:

a Web frame information generating part setting relative paths for the Web information and the other Web information to display for each of a plurality of frames, and generating Web frame information defining the plurality of frames to divide the Web page,

wherein said reference Web information generating part generates the reference web information that includes the reference path to access the Web frame information created by adding the common path information indicating at least one of the terminal type information, language information or profile information to a path for the Web frame information and that allows the terminal to automatically access to the reference path, and

when said communicating part sends the reference Web information to the terminal as the response to the first request and receives the second request requesting the Web frame information by the reference path from the terminal, said Web frame information generating part is executed.

Claim 8 (Previously Presented): The information processing apparatus as claimed in claim 7, wherein said display information generating part disables the Web frame information generating part based on the common path information indicating at least one of the terminal type information, language information or profile information obtained from the reference path indicated in the second request, and generates the Web page that allows the terminal to directly access the Web information by a relative path for the Web information requested by the first request.

Claim 9 (Original): The information processing apparatus as claimed in claim 6, further comprising:

an image forming part forming an image; and

an image formation controlling part controlling said image forming part,

wherein at least one of said Web information generating part and said other Web information generating part obtains information concerning said image forming part from said image formation controlling part and generates the Web information based on the obtained information.

Claim 10 (Previously Presented): The information processing apparatus as claimed in claim 5, wherein said display information generating part generates the Web page by additionally providing an image to the Web information or the other Web information generated by the Web information generating part or the other Web information generating parts, based on the common path information indicating at least one of the terminal type information, language information or profile information set based on the reference path in common.

Claim 11 (Previously Presented): The information processing apparatus as claimed in claim 6, wherein said display information generating part generates the Web page displaying the Web information or the other Web information generated by said Web information generating part or said other Web information generating parts, in a font size suitable for the terminal, based on the common path information indicating at least one of the terminal type information, language information or profile information set based on the reference path in common.

Claim 12 (Previously Presented): The information processing apparatus as claimed in claim 6, wherein said display information generating part generates the Web page displaying the Web information or the other Web information generated by said Web information generating part or said other Web information generating parts, by a number of letters suitable for the terminal, based on the common path information indicating at least one of the terminal type information, language information or profile information set based on the reference path in common.

Claim 13 (Original): The information processing apparatus as claimed in claim 7, said reference Web information generating part, said Web information generating part, said other Web information generating part, and Web frame information generating part are programs developed by C language.

Claim 14 (Currently Amended): An information processing method comprising:  
specifying at least one of a terminal type, language or profile of a terminal connected through a network based on a first request requesting Web information, said first request sent from the terminal through the network;

generating reference Web information that includes a reference path created by adding common path information indicating at least one of a terminal type information, language information, profile information showing at least one of the specified terminal type, language or profile to a path indicated in the first request for accessing the Web information and adding relative path information for executing a function as a process being independent of the common path information, the function corresponding to a style sheet used for converting a process result in XML into HTML and that allows the terminal automatically accesses to the reference path; and

sending the reference Web information to the terminal as a response with respect to the first request, and receiving a second request for requesting the Web information specified by the reference path, and includes the common path information ~~to connection information which is passed through the function.~~

Claim 15 (Currently Amended): The information processing method as claimed in claim 14, further comprising:

generating the Web information by executing the function in response to the second request, the receiving the connection information including the common path information; and

generating a Web page by describing the Web information corresponding to the terminal in a display format for displaying the Web information at the terminal based on the common path information indicating at least one of the terminal type information, language information or profile information included in a result received from the generating the Web information ~~generating part.~~

Claim 16-28 (Canceled).

Claim 29 (Previously Presented): The information processing apparatus as claimed in claim 1, further comprising:

a profile reference Web information generating part specifying a profile requested by a profile change request requesting to change the profile with respect to Web information displayed at the terminal, said profile change request sent from the terminal through the network, and generating profile reference Web information that includes a profile reference path created by setting profile information showing the specified profile to a path for accessing the Web information and that allows the terminal to automatically accesses to the profile reference path;

a communicating part sending the profile reference Web information to the terminal as a response with respect to the profile change request, and receiving an auto-accessed request for requesting the Web information suitable for the profile by the profile reference path;

an authenticating part authenticating the user of the terminal when the auto-accessed request is received and allowing to provide the Web information suitable for the profile indicated in the profile reference path based on an authentication result.

Claim 30 (Original): The information processing apparatus as claimed in claim 29, further comprising:

a Web information generating part generating the Web information; and

a display information generating part generating a Web page by describing the Web information corresponding to the terminal in a display format for displaying the Web information at the terminal based on the profile information obtained from the profile reference path indicated by the auto-accessed request.



Claims 31-32 (Canceled).

Claim 33 (Previously Presented): The information processing method as claimed in claim 14, further comprising:

specifying a profile requested by a profile change request requesting to change the profile after the profile is requested, with respect to Web information displayed at a terminal connected through a network, said profile change request sent from the terminal through the network, and generating profile reference Web information that includes a profile reference path created by setting profile information showing the specified profile to a path for accessing the Web information and that allows the terminal to automatically accesses to the profile reference path;

sending the profile reference Web information to the terminal as a response with respect to the profile change request, and receiving an auto-accessed request for requesting the Web information suitable for the profile by the profile reference path;

authenticating the user of the terminal when the auto-accessed request is received and allowing to provide the Web information suitable for the profile indicated in the profile reference path based on an authentication result.

Claim 34 (Previously Presented): The information processing method as claimed in claim 33, further comprising:

generating the Web information; and

generating a Web page by describing the Web information corresponding to the terminal in a display format for displaying the Web information at the terminal based on the

profile information obtained from the profile reference path indicated by the auto-accessed request.

Claim 35 (New): An information processing apparatus, comprising:

- a communication part receiving a request of a terminal connected through a network and setting a path indicated in the request to connection information concerning a connection with the terminal;
- an execution part being executed as a process based on function identification information for executing a predetermined application indicated in the path by a function call without depending on terminal type information of the terminal indicated in the connection information, and outputting execution result information including an execution result and the connection information; and
- a Web page generation part receiving the execution result information from the execution part, and generating a Web page corresponding to the terminal type information in accordance with a display format capable of displaying the execution result at the terminal, wherein the Web page generation part further comprises:
  - an XML description part describing the execution result generated by the execution part and the terminal type information in XML; and
  - an HTML conversion part generating the Web page by converting the execution result described in XML to HTML, by using one style sheet for the terminal type information indicated in the execution result information from a plurality of style sheets for converting into HTML for each of different terminal type information.

Claim 36 (New): The information processing apparatus as claimed in claim 35, further comprising a handler part receiving the connection information from the

communication part and calling the execution part by using a respective function name by referring to a list in which the different function identification information correspond to function names.

Claim 37 (New): The information processing apparatus as claimed in claim 36, further comprising a terminal type setting part being executed by the function call, specifying terminal type information of the terminal from the connection information, and setting the specified terminal type information at a terminal type location in the path,

wherein:

when the communication part receives a request in which the path does not indicate the terminal type information, the communication part sets a default value of the terminal type information at the terminal type location, and forms a special path structure by adding the function identification information for calling the terminal type setting part;

the handler part executes the terminal type setting part by using the function identification information of the path included in the connection information; and

the terminal type setting part replaces the default value at the terminal type location in the special path structure with the specified terminal type information,

whereby Web information is sent to the terminal, the Web information described so that the terminal automatically access again to the information processing apparatus by using the path in accordance with the special path structure in which the specified terminal type information is set by the terminal type setting part.

Claim 38 (New): The information processing apparatus as claimed in claim 37,  
wherein the communication part creates the special path structure by adding the default value  
prior to the function identification information.